Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

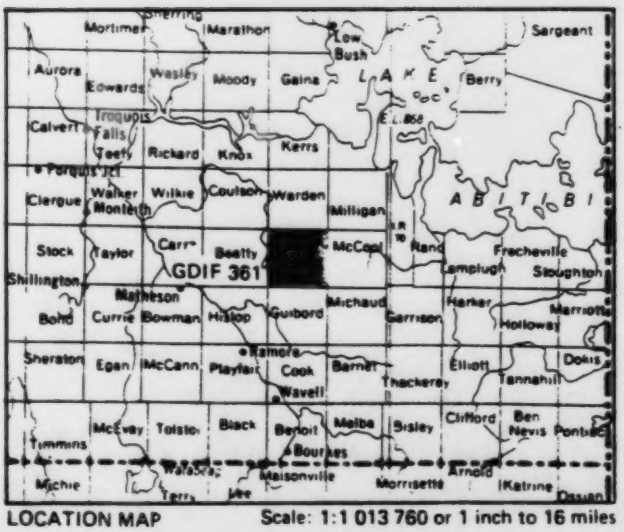
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 361

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Residents Geologist's Office
Kirkland Lake



LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number: 42 A/9

Mining Claim Map Number: M376

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STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Munro Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 361, compiled by the staff of the Resident Geologist's Office, Kirkland Lake, 83p. and 3 maps.

Original Compilation by: Kamal Kalicharran and B. J. Westin, December 19, 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 2 Maps
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Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy) / ton (short)	1 ounce (troy) / ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights / ton (short)	1 pennyweight / ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	NDC
2	Assessment Files Research Office, Toronto	NO	BJW
3	ODM General Index; 9 volumes	YES	KDK
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	KDK
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	NO	NDC
6	ODM Industrial Mineral Reports	YES	NDC
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	NDC
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	NDC
9	Newspaper Clippings File	YES	NDC
10	GSC Index to Publications	YES	KDK
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	NDC
12	OGS Index Maps	YES	KDK
13	Source Mineral Deposit Records (O.G.S.)	NO	KDK
14	Author - Subject Articles File	YES	KDK
15	Miscellaneous Papers: ODM & OGS	YES	KDK
16	ODM Geological Circulars: OGS Study Series	YES	NDC
17	ODM Preliminary Reports: ODM Bulletins	YES	NDC
18	ODM – OGS Open File Reports	NO	KDK
19	OGS Northern Ontario Engineering Geology Terrain Studies	NO	KDK
20	OGS Aggregate Resources Inventory Papers	NO	NDC
21	OGS Mineral Potential Maps	NO	NDC
22	Canadian University Graduate Thesis - Henderson	YES	NDC
23	PHD Thesis concerning Geosciences of Ontario - Groen	YES	NDC

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite	△ fu. . . . . .Fuchsite	▲ Ni. . . . . Nickel	△ st . . . . . .Stone
△ ank. . . . . .Ankerite	▲ gn. . . . . Galena	△ Nb . . . . . .Niobium	▲ talc. . . . . .Talc
△ anna . . . . . Annabergite	△ gt. . . . . Garnet	△ Pd . . . . . .Palladium	△ Te . . . . . Tellurium
△ ap. . . . . .Apatite	△ goe . . . . . .Goethite	△ peat . . . . . .Peat	△ td. . . . . Tetrahedrite
△ arg . . . . . Argentite	▲ Au . . . . . Gold	△ pent . . . . . .Pentlandite	△ th. . . . . .Thorite
△ As . . . . . .Arsenic	▲ gf. . . . . .Graphite	△ Pt. . . . . .Platinum	△ Th . . . . . .Thorium
▲ asp . . . . . .Arsenopyrite	△ gl . . . . . Gravel	▲ py . . . . . .Pyrite	△ thuc . . . . . Thucholite
▲ asb . . . . . .Asbestos	△ gyp. . . . . .Gypsum	△ pyl . . . . . Pyrochlore	△ ti . . . . . Titanite
△ ba. . . . . .Barite	▲ hem . . . . . Hematite	△ pyrl . . . . . .Pyrolusite	△ Ti. . . . . Titanium
△ be. . . . . .Beryl	△ il . . . . . .Ilmenite	▲ po . . . . . .Pyrrhotite	△ tour . . . . . .Tourmaline
△ Bi. . . . . .Bismuth	△ Fe . . . . . .Iron	▲ q . . . . . .Quartz	△ trap . . . . . .Trap rock
▲ bn . . . . . .Bornite	△ IF. . . . . Iron Formation	▲ qcv . . . . .Quartz carbonate vein	△ W. . . . . Tungsten
△ bran . . . . . .Brannerite	△ jas . . . . . Jasper	△ ra. . . . . .Radioactive minerals	△ uran . . . . . Uraninite
▲ bruc . . . . . .Brucite	△ kaol . . . . . .Kaolinite (kaolin)	△ RE . . . . . .Rare Earths	△ U . . . . . .Uranium
△ Cd . . . . . Cadmium	△ ky . . . . . Kyanite	△ sd. . . . . Sand	△ verm . . . . . .Vermiculite
▲ calc. . . . . Calcite	▲ Pb . . . . . Lead	△ sgl . . . . . Sand and gravel	△ Y . . . . . Yttrium
▲ carb . . . . . .Carbonate	△ lim . . . . . Limonite	△ ss . . . . . .Sandstone	▲ Zn . . . . . .Zinc
△ cel . . . . . .Celestite	△ Li. . . . . Lithium	△ scap . . . . . Scapolite	△ zr. . . . . Zircon
△ cc. . . . . .Chalcocite	△ mgst . . . . . Magnesite	△ shee . . . . . .Scheelite	
▲ cp. . . . . .Chalcopyrite	▲ mag . . . . . Magnetite	▲ serp . . . . . Serpentine	
▲ ch. . . . . .Chert	△ mc . . . . . Malachite	△ sh. . . . . Shale	
△ clay . . . . . .Clay	△ Mn . . . . . Manganese	▲ sid . . . . . Siderite	
△ Co . . . . . Cobalt	△ mb . . . . . Marble	△ si . . . . . Silica	
△ cob. . . . . Cobaltite	▲ mar. . . . . Marcasite	▲ Ag . . . . . .Silver	
△ cb. . . . . .Columbite	△ ma . . . . . .Marl	△ sl . . . . . Slate	
▲ Cu . . . . . .Copper	△ mi . . . . . Mica	△ sm . . . . . .Smaltite	
△ cor . . . . . Corundum	△ ml . . . . . Millerite	△ sod . . . . . Sodalite	
△ dol . . . . . Dolomite	△ mo . . . . . Molybdenite	△ spec . . . . . Specularite	
▲ ep. . . . . Epidote	△ Mo . . . . . .Molybdenum	▲ sp. . . . . .Sphalerite	
△ ery . . . . . Erythrite	△ mon . . . . . Monazite	△ spd . . . . . .Spodumene	
▲ fel . . . . . .Feldspar	△ ne. . . . . Nephelite (nepheline)	△ staur . . . . . .Staurolite	
△ fl . . . . . .Fluorite (fluorspar)	△ nc. . . . . .Niccolite	△ stib. . . . . Stibnite	

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps, or mentioned within either Drillhole Summary or Mineral Occurrences.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	American Eagle	Au	C 0146	NMI File 42A/9 Au4 AFRO 1950, Munro Tp., DHR 19 ODM 1951, AR60, pt.8, p.45 ODM 1971, MRC13, p.80	Quartz veins and stringers are present in carbonatised greywacke.
B	Big Game Occurrence	Au,Zn	C 0145	ODM Map 1951-5 ODM 1951, AR60, pt.8, p.45-46 ODM 1971, MRC13, p.134	Vein in Matachewan diabase is 50'x 2', explored by a shaft 20' deep. Grab sample assayed 0.01 oz/t Au.
C	Brown - Munro	Au	C 0086	AFRO 1937, Munro Tp., DHR10 ODM 1951, AR60, pt.8, p.46-47	
D	Buff - Munro Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.47-48 ODM 1971, MRC13 p.134	Quartz - carbonate vein contains sp, gn, py.
E	Camrose Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.47-48 ODM 1971, MRC13 p.134	Vein 6" wide is exposed for 300' in mafic volcanics. Two pits explored the vein.

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
F	Centre Hill	Cu,Zn,Ag,Au Ni	00830	NMI File 42A/9 Cu1 ODM 1951, AR60, pt.8, p.19-21 AFRO 1954 # 63.3046 ODM 1969, MRC12 p.124	Mineralisation is in an east trending band of rhyolitic agglomerate and tuff approximately 200' wide and over 4000' long. This band is bounded on the N and S by a mafic-ultramafic complex and is intruded itself by irregular bodies of peridotite.
G	Croesus	Au,Ag		OBM 1919, AR28, pt.2, p.55-56 ODM 1951, AR60, pt.8, p.48-51 ODM 1971, MRC13, p.48-51	Keewatin andesite-basalt pillow lava and flow breccia are cut by dykes of quartz porphyry and lamprophyre. Quartz is accompanied by py, asp, and spectacular amounts of native gold.
H	A.G.C. Dinnock Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.48 ODM 1971, MRC13 p.134	Quartz vein 5' wide in mafic volcanics explored by a shaft of unknown depth.
I	Flagro	Ash		AFRO 1951, Munro Tp., DHR 23 ODM 1951, AR60, pt.8, p.41 ODM 1971, IMR36, p.29	
J	Ford, H.M.	Ash		ODM 1951, AR60, pt.8, p.41 AFRO 1961, Munro Tp., DHR 18 ODM 1971, IMR36, p.29	

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
K	King Midas Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.48 ODM 1971, MRC13 p.134	Quartz vein in carbonated felsic volcanics have been explored by pits.
L	Mangan - Dyer	Asb		NMI File 42A/9 Asb 21 ODM 1951, AR60, pt.8, p.41 AFRO 1953, Munro Tp., DHR 17 ODM 1971, IMR36, p.57	
M	Munro	Asb	C 0139	NMI File 42A/9 Asb 26 ODM 1951, AR60, pt.8, p.36-40 ODM 1971, IMR36, p.33-41 OGS 1980, OFR 5310, p.45-47	
N	Northern Gold Belt Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.51-52 ODM 1971, MRC13 p.134	Quartz vein in mafic and felsic lavas are mineralised with py and asp.
O	Potter - Doal	Asb	C 0144	NMI File 42A/9 Asb 20 ODM 1951, AR60, pt.8, p.19-21, 41 AFRO 1952, Munro Tp., DHR 25 ODM 1971, IMR36, p.57	

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
P	Potterdoal	Cu,Zn,Ag, Au	C 0141 #00925	NMI File 42A/9 Cu 2 ODM 1951, AR60, pt.8, p.42-43 AFRO 1959, Munro Tp., DHR 27 ODM 1969, MRC 12 p.126	A lens of massive cp, sp and po at the contact between andesite and peridotite.
Q	Reoplata Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.69 Survey of Mines 1954, p.250 ODM 1971, MRC13 p.134	1951-53: The placer gold content of the sands was tested by sluicing in a small pilot mill and by drilling. Sampling indicated gold values ranging from trace to 0.04oz/t Au.
R	Stewart, W.T.	Au	C 0089	ODM 1951, AR60, pt.8, p.52 ODM 1971, MRC13, p.134 AFRO 1979, #2.3113	A quartz-carbonate vein in mafic volcanics contains asp. A grab sample assayed 0.18 oz/t Au.
S	Walhart Gold Mines Ltd.	Au	C 0088	AFRO 1946, Munro Tp., DHR 12 ODM 1951, AR60, pt.8, p.52 ODM 1971, MRC13, p.134	Quartz-carbonate stringers are present in a zone of carbonated basalt 40' wide and mineralised with py and asp.
T	Warden Hill	Ash	C 0083	AFRO 1963, Munro Tp., DHR 31 ODM 1971, IMR36, p.29	

MUNRO TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
U	White - Guyatt	Au,Pb,Zn	C 0087	AFRO 1946, Munro Tp., DHR 11 ODM 1951, AR60, pt.8, p.53-56 ODM 1971, MRC13, p.81 NMI File 42A/9 Au 36	The property is mainly underlai by Keewatin greywacke and argil- lite. The vein material consist quartz containing small amounts pyrite, pyrrhotite, galena and sphalerite.
V	P.B. Zevely Occurrence	Au		ODM Map 1951-5 ODM 1951, AR60, pt.8, p.56 ODM 1971, MRC13 p.134	Quartz veins, stringers and sul hides in a porphyry dyke and maf volcanics have been explored by pits.

GDIF FORM

MUNRO TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Amax Minerals Exploration "Munro 1"	77 78 79							78 79	78 79										
2	Amax Minerals Exploration "Munro 2"	78			80	79			79	79										
3	Amax Minerals Exploration "Munro 3"	79							79	79										
4	Amax Minerals Exploration "Munro 4"	79			80					78										
5	Barton, J.W.				49															
6	Big Game Mines Ltd.				47															
7	Bird, S.J.				48															
8	Blake, Fred											76	77							
9	Broulan-Porcupine Mines Ltd.	47			50															
10	Brown-Munro Gold Mines Ltd.				37															

GDIF FORM NO. 2

MUNRO TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
11	Canadian Johns-Manville Company Ltd. "Centre Creek"	61			62 63 64								61							
12	Canadian Johns-Manville Company Ltd. "Ford Group"	60			49 50 61							60	60							
13	Canadian Johns-Manville Company Ltd. "Group II"	56										56								
14	Canadian Johns-Manville Company Ltd. "Little Pike Group"				64 65 66							64	64							
15	Canadian Johns-Manville Company Ltd. "McCool-Munro"											49								
16	Canadian Johns-Manville Company Ltd. "Munro Mine"					50		49 50 62 74												

GDIF FORM NO. 2

MUNRO TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
17	Canadian Johns-Manville Company Ltd. "North Ford Group"				63			67				63	63							
18	Canadian Johns-Manville Company Ltd. "North Munro Lake Grp."				61							61								
19	Canadian Johns-Manville Company Ltd. "Potter-Doal Group"				49							49								
20	Canadian Johns-Manville Company Ltd. "Stairs Group"		72									64								
21	Canadian Johns-Manville Company Ltd. "Warden Hill Group"		72		63 64							64	62							
22	Canawide Mines & Minerals			12																
23	Carlson, Hugh, D.							74				74								

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
24	Centre Hill Mines Ltd.	56			53 57		57	54 55 64				53 56								
25	Colossus Gold Mines Ltd.							83												
26	Consolidated Ranwick Uranium Mines Ltd.								54		54									
27	Dyer, H.E.			35																
28	Dyman Prospecting Syndicate				51															
29	Flagro Mines Ltd.				51			53				51 52								
30	Hansen, Aage				66															
31	Hedman Mines Ltd.							54 58 59 60 61												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
32	Hoyle Mining Co. Ltd.	43																		
33	Hurd, D.F.			74																
34	Kennco Explorations (Canada) Ltd.	65	65						64 65	64 65										
35	Lee Geo-Indicators Ltd.		72 74										72							
36	Leitch Gold Mines Ltd.				64							63	63				63			
37	Mangan - Dyer				49 53 55	56		49 56												
38	Mangan, J.J.			84																
39	McIntyre Mines Ltd.											74 75	74 75							
40	McIntyre Porcupine Mines Ltd.	46										46								
41	Miller, J.M.				84															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
42	Munro - Croesus Mines Ltd.	44					18 44 45													
43	New Potterdoal Mines Ltd.				56 57 59			54												
44	Noranda Exploration Co. Ltd.											76								
45	Perch, Peter				63															
46	Pick and Pan Syndicate	51										51								
47	Potter, R.S.				52															
48	Reoplata Mines Ltd.	50			50			50 51 52 53 79				50								
49	Richmond, G.			81 84								80								

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
50	Stewart, W.T.			54	52 53 54 55 56 57 58 59 60															
51	Surge Mines Ltd.	72						72				72	72							
52	Tellaurum Gold Mines Ltd.				36 37		36	35 36												
53	Union Carbide Exploration Ltd.				65	65							65	65						
54	Walhart Gold Mines Ltd.	46			46															
55	White Guyatt Mining Co.	47		46	45 46		41	47												
56	Yellowknife Bear Mines Ltd.				66							66	66		66		66			
57	Zevely, P.B.	50			49															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
58	Manville Canada Inc.	84										84	84	84						
59	Perron, A.H. "Perron & Pollock Proj."								85	85										
60	Labrador Mining and Exploration Company											85	85							
61	Lalonde, D.			86																
62	Mullan, G.								85	85										
63	Bruneau Mining Corp				86															
64	Canamax Resources Inc.				86															

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Amax Minerals Exploration "Munro 2"	839-10-3†	11/80	200°	-45°	--	85.4m	py,po,fel,gf ch,calc	--
2	" "	839-10-4†	11/80	200°	-50°	1.5m	120m	cp,ch,po,py, qcv,calc,talc serp	--
3	" "	839-10-8†	11/80	020°	-60°	3.05m	109.3m	serp,talc,qcv, ch,po,py,cp,sp	--
4	Amax Minerals Exploration "Munro 4"	839-15-1†	08/80	023°	-45°	--	89.45m	talc,q,py,serp, fel,gf	--
5	Barton, J.W.	60	08/49	034°	-45°	104'	888'	asb,mag,serp	--
6	" "	72	08/49	034°	-45°	50'	594'	serp,asb,mag	--
7	" "	82	09/49	034°	-45°	83'	721'	serp,mag,asb	--
8	Big Game Mines Ltd.	D.D.H.#1	10/47	040°	-45°	4'	1051'	q,py,po,gf	--
9	Bird, S.J.	#1	05/48	166°	-45°	2'	127.5'	--	--
10	"	#2	05/48	166°	-45°	2'	97.5'	--	--
11	"	#3	05/48	166°	-45°	--	131.5'	--	--
12	"	#4	05/48	166°	-45°	2'	81.5'	--	--
13	"	#5	05/48	166°	-45°	2'	171.5'	--	--
14	Broulan-Porcupine Mines Ltd.	#5	02/50	0°	-45°	10'	840'	q,py,carb	--

GDIP FORM NO. 3

† - Core stored at Swastika Drill Core Storage Library
* - Length of Overburden down drill hole

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
15	Brown-Munro Gold Mines Ltd.	D.D.H.#1	01/37	180°	-45°	49'	196'	py,qcv,ep	Au(0.12oz/t
16	Canadian Johns-Manville Company Ltd. "Centre Creek Group"	C.C.#1	04/62	180°	-45°	8'	721'	py,carb,calc, talc,serp	--
17	" "	C.C.#2	04/62	180°	-45°	91'	400'	talc,carb,py,po cp	--
18	" "	C.C.#3	05/62	--	-90°	51'	201'	ep,hem,py,cp,q	--
19	" "	C.C.#4	05/62	216°	-30°	12'	250'	py,po,gf,ch,cp	--
20	" "	C.C.#5	12/63	208°	-45°	6'	681'	carb,serp,py,po, cp,Au,ep,bn	--
21	" "	C.C.#6	12/63	033°	-45°	10'	640'	carb,serp,gf,py, po,sid	--
22	" "	C.C.#7	01/64	180°	-60°	98'	142'	carb,serp	--
23	" "	C.C.#8	01/64	180°	-60'	63'	562'	po,cp,py,carb, serp	--
24	" "	C.C.#9	01/64	180°	-60°	25'	400'	carb,serp,py,cp, mag	--
25	" "	C.C.#10	02/64	180°	-45°	60'	589'	py,calc,hem,ep	--

† - Core stored at Swastika Drill Core Storage Library
* - Length of Overburden down drill hole

GDIF FORM NO. 1

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
26	Canadian Johns-Manville Company Ltd. "Ford Group"	F-1	12/49	323°	-45°	82'	690'	serp,hem,carb, mag,fel	--
27	" "	F-2	11/50	140°	-50°	132'	540'	serp,asb,mag	--
28	" "	F-3	08/61	225°	-45°	140'	275'	carb,mag,serp	--
29	" "	F-4	08/61	045°	-45°	121'	492'	serp,fel,carb	--
30	Canadian Johns-Manville Company Ltd. "Little Pike Group"	Mc-64-1	09/64	030°	-45°	115'	824'	mag,serp,carb, py,ch,calc	--
31	" "	LP-65-8	01/66	--	-90°	150'	503'	serp,carb,asb	--
32	" "	LP-65-7	01/66	180°	-60°	180'	294'	serp,carb	--
33	" "	LP-65-3	12/65	140°	-60°	118'	700'	carb,py,asb,talc bruc,serp	--
34	" "	LP-65-2	11/65	180°	-60°	117'	702'	carb,mag,calc,py	--
35	Canadian Johns-Manville Company Ltd. "North Ford Group"	F-5	08/63	320°	-45°	170'	170'	--	--
36	" "	F-6	08/63	320°	-65°	273'	273'	--	--
37	" "	F-7	09/63	--	-90°	168'	388'	mag,carb	--

GDIF FORM NO. 1

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
38	Canadian Johns-Manville Company Ltd. "North Munro Lake Group"	N.M.L.#1	08/61	019°	-45°	300'	300'	--	--
39	" "	N.M.L.#2	09/61	020°	-45°'	130'	130'	--	--
40	" "	N.M.L.#3	09/61	0°	-45°	130'	130'	--	--
41	Canadian Johns-Manville Company Ltd. "Potter-Doal Group"	P.D.#1	1949	251°	-45°	5'	310'	serp,mag,asb	--
42	" "	P.D.#2	1949	260°	-45°	6'	193.7'	serp,mag,asb	--
43	" "	P.D.#3	1949	180°	-45°	10'	100'	serp,mag,asb	--
44	Canadian Johns-Manville Company Ltd. "Warden Hill Group"	WH-1	08/63	180°	-45°	6'	318'	carb,mag,asb	--
45	" "	WH-2	08/63	180°	-45°	30'	375'	carb,mag,serp, talc	--
46	" "	WH-3	08/64	023°	-45°	85'	669'	serp,py,po,cp, carb,talc,asb, mag	--
47	" "	WH-4	08/64	017°	-45°	16'	647'	py,po,cp,talc, carb,asb	--

GDIF FORM NO. 1

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
48	Canadian Johns-Manville Company Ltd. "Warden Hill Group"	WH-5	08/64	0°	-45°	44'	586'	talc,py,po,gf, serp,mag	--
49	" "	WH-6	09/64	0°	-45°	14'	376'	talc,py,serp, carb,gf,po	--
50	Centre Hill Mines Ltd.	107	07/59	156°	-45°	70'	493'	--	--
51	" "	108	08/59	160°	-45°	32'	473'	serp	--
52	" "	11	05/53	180°	-45°	17'	403'	serp,asb,po,py, sp,cp	--
53	" "	12	06/53	180°	-45°	42'	504'	serp,asb,mag,po, cp,sp,gf	--
54	" "	12a	06/53	180°	-45°	88'	598'	mag,gf,po,cp,sp, serp	--
55	" "	C-100	01/57	0°	-45°	10'	468'	po,cp,serp,fel	--
56	" "	C-101	02/57	270°	-45°	29'	57'	po,cp	--
57	" "	C-101a	02/57	270°	-45°	22'	322'	po,cp,qcv	--
58	" "	4	1953	174°	-45°	7'	162'	--	Cu(3.44%) Zn(1.89%)
59	" "	5	1953	174°	-45°	7'	233'	--	Cu(1.64%) Zn(1.83%)

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
60	Centre Hill Mines	6	1953	174°	-45°	32'	198'	--	Cu(2.32%)
61	" "	9	1953	174°	-45°	7'	257'	--	Cu(2.3%) Zn(1.06%)
62	" "	10	1953	174°	-45°	4'	350'	--	Cu(1.75%) Zn(1.2%)
63	" "	2	1953	174°	-45°	8'	257'	--	Cu(1.8%) Zn(7.01%)
64	" "	15	1953	174°	-45°	92'	497'	--	--
65	" "	16	1953	180°	-38°	49'	548'	--	Cu(1.05%) Zn(1.69%)
66	" "	17	1953	180°	-25°	51'	607'	--	Cu(2.44%) Zn
67	Dyman Prospecting Syndicate	B-4	08/51	200°	-30°	3'	108'	mag,serp,asb,py	--
68	" "	B-5	09/51	200°	-45°	4'	61'	serp,asb,mag	--
69	" "	B-6	09/51	200°	-60°	3'	27'	serp,mag	--
70	" "	C-1	09/51	200°	-30°	40'	113'	py,cp,q	--
71	" "	C-2	09/51	200°	-45°	4'	143.5'	q,py,cp,ep,py	--
72	" "	C-3	09/51	200°	-65°	4'	152'	q,py	--

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden *	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
73	Dyman Prospecting Syndicate	C-4	09/51	180°	-45°	3'	171'	--	--
74	" "	C-5	09/51	190°	-45°	2'	340'	q,ep,py	--
75	" "	SB-1	--	0°	-45°	1'	304.5'	mag,serp,asb, talc,calc,gf,po	--
76	" "	SB-2	--	035°	-30°	1'	305'	serp,talc,ch,py, po,gf	--
77	" "	SB-3	--	180°	-45°	1'	258'	po,calc,gf,py, talc,ch,cp	--
78	Flagro Mines Ltd.	#1	10/51	--	-90°	216'	343'	serp,asb,talc	--
79	Hansen, Aage	#1	10/66	180°	-55°	20'	103'	serp	--
80	Leitch Gold Mines Ltd.	D.D.H. #1	04/64	212°	-52°	76'	569'	py,po,carb	Pb,Zn
81	Mangan - Dyer	1	08/49	0°	-45°	40'	388'	serp,carb	--
82	" "	2	09/49	030°	-45°	105'	460'	serp,talc,asb, py,po,carb,mag	--
83	" "	3	09/49	030°	-50°	53'	360'	serp,talc,asb, mag	--
84	" "	L-1	10/53	010°	-45°	1.5'	153'	serp,gf,py,carb, po,cp	--

ODIF FORM NO. 3

† - Core stored at Swastika Drill Core Storage Library
* - Length of Overburden down drill hole

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
85	Mangan - Dyer	L-2	10/53	010°	-60°	0.8'	155'	fel,py	--
86	" "	L-3	10/53	010°	-80°	2.2'	108'	fel,serp	--
87	" "	L-4	10/53	230°	-60°	1.5'	52'	fel	--
88	" "	L-5	10/53	230°	-70°	1.7'	125'	fel,po,py	--
89	" "	L-6	10/53	025°	-60°	1.7'	48'	fel	--
90	" "	L-7	10/53	025°	-45°	2.7'	135'	serp,fel,talc	--
91	" "	L-6	05/55	025°	-60°	1.7'	208'	serp,mag,asb,po, cp,gf	--
92	" "	L-7	06/55	025°	-45°	2.7'	270'	cp,po,gf,talc	--
93	Miller, J.M.	#1	02/84	180°	-45°	--	205'	serp,po	--
94	New Potterdoal Mines Ltd.	#1	08/59	020°	-45°	8'	150'	--	--
95	" "	#2	08/59	020°	-45°	6'	158'	serp,talc,po	--
96	" "	#3	08/59	020°	-45°	5'	200'	po,cp,asb,gf,mar	--
97	" "	#4	09/59	160°	-45°	5'	300'	serp	--
98	" "	#1	06/57	225°	-45°	4'	337'	serp	--
99	" "	#2	06/57	060°	-45°	5'	320'	py,po,q	--

GDIF FORM NO. 1

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
100	New Potterdoal Mines Ltd.	#3	07/57	0°	-45°	4'	208'	po	--
101	" "	#4	07/57	225°	-45°	5'	61'	py,po	--
102	" "	#4a	07/57	225°	-45°	5'	69'	--	--
103	" "	#5	07/57	225°	-45°	12'	513'	py,po,qcv,gf, serp,calc,talc	--
104	" "	#1	04/56	160°	-45°	5'	403'	py,serp,talc	--
105	" "	#2	04/56	0°	-45°	5'	282'	serp	--
106	" "	#3	03/56	0°	-45°	3'	301'	serp,carb	--
107	" "	#4	03/56	0°	-60°	3'	264'	serp	--
108	Perch, Peter	#1	11/63	130°	-57°	57'	366'	ep	Au
109	" "	#2	11/63	320°	-70°	14'	685'	q,py	Au
110	" "	#3	11/63	125°	-75°	44'	375'	q	--
111	Potter, R.S.	#1	08/52	135°	-43°	6'	244'	po,cp,gf	--
112	" "	#2	09/52	--	-44°	5'	257'	py,po,cp,sp	--
113	" "	#3	09/52	--	-45°	7'	308.7'	po,cp	--

GOIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
114	Potter, R.S.	#4	09/52	--	-45°	11'	161.6'	serp,asb,po,py, cp,sp	--
115	" "	#5	09/52	--	-45°	11'	233'	asb,po,cp,sp	--
116	" "	#6	09/52	--	-45°	27'	198'	cp,po,sp	--
117	" "	#7	09/52	--	-45°	53'	201.6'	serp,py,po,gf	--
118	" "	#8	10/52	0°	-41°	7'	211'	gf,py	--
119	" "	#9	10/52	--	-45°	10'	257'	asb,cp,sp,po, serp	--
120	" "	#10	12/52	--	--	6'	350'	asb,serp,po,gf, ep,sp,ch	--
121	Reoplata Mines Ltd.	#1	07/50	--	-90°	104'	297'	serp,mag	--
122	" "	#2	08/50	330°	-45°	96'	229'	serp,mag	--
123	" "	#3	08/50	--	-90°	92'	350'	asb,mag	--
124	Stewart, W.T.	#7	1952	200°	-45°	30'	114'	--	--
125	" "	#8	1952	020°	-35°	20'	96'	--	--
126	" "	#1	1952	195°	-45°	--	86'	--	--
127	" "	Lau 11	--	330°	-45°	--	120'	--	--

GDIF FORM NO. 1

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
								†	
128	Stewart, W.T.	Lau 12	--	342°	-45°	--	112'	--	--
129	" "	Lau 13	--	090°	-30°	--	128'	--	--
130	" "	Lau 14	--	086°	-45°	--	98'	--	--
131	" "	Lau 15	--	050°	-45°	--	91'	--	--
132	" "	Lau 16	--	050°	-30°	--	97'	--	--
133	" "	Lau 16	07/53	160°	-45°	--	125'	--	--
134	" "	Lau 17	07/53	0°	-45°	--	110'	--	--
135	" "	Lau 18	07/53	250°	-45°	--	125'	--	--
136	" "	Lau 19	07/53	250°	-45°	--	125'	--	--
137	" "	Lau 20	08/53	280°	-40°	--	110'	--	--
138	" "	Lau 21	08/53	020°	-40°	--	100'	--	--
139	" "	Lau 22	08/53	300°	-45°	--	115'	--	--
140	" "	Lau 23	11/53	225°	-45°	--	130'	--	--
141	" "	Lau 24	11/53	270°	-45°	--	128'	--	--
142	" "	Lau 25	11/53	135°	-40°	--	135'	--	--
143	" "	Lau 26	11/53	135°	-55°	--	148'	--	--

GDIF FORM NO. 1

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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
144	Stewart, W.T.	Lau 27	11/53	290°	-40°	--	102'	--	--
145	" "	Lau 28	11/53	0°	-45°	--	80'	--	--
146	" "	Lau 28	06/54	160°	-45°	--	156'	--	--
147	" "	Lau 29	06/54	160°	-55°	--	143'	--	--
148	" "	Lau 30	07/54	270°	-45°	--	130'	--	--
149	" "	Lau 31	07/54	160'	-45°	--	85'	--	--
150	" "	Lau 32	07/54	150°	-57°	--	100'	--	--
151	" "	Lau 33	08/54	090°	-57°	--	107'	--	--
152	" "	Lau 34	08/54	0°	-55°	--	115'	--	--
153	" "	Lau 35	08/54	0°	-47°	--	115'	--	--
154	" "	Lau 32	09/54	325°	-45°	--	50'	--	--
155	" "	Lau 33	10/54	355°	-45°	--	150'	--	--
156	" "	Lau 34	10/54	345°	-50°	--	80'	--	--
157	" "	#1	08/55	006°	-45°	--	200'	ep,py,q	--
158	" "	#2	09/55	090°	-45°	--	192'	ep,q	--

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
159	Stewart, W.T.	#3	09/55	105°	-45°	--	176'	ep,py,hem	--
160	" "	#1	08/55	010°	-45°	--	171'	q,py,ep	--
161	" "	#2	08/55	010°	-35°	--	169'	q,ep	--
162	" "	#3	08/55	348°	-70°	--	162'	ep,q,py	--
163	" "	#4	08/55	348°	-45°	--	148'	py,ep,q	--
164	" "	#1	--	118°	-45°	1'	140'	carb	--
165	" "	#2	--	110°	-32°	1'	140'	carb	--
166	" "	#3	--	300°	-45°	1'	128'	calc,carb	--
167	" "	#4	--	100°	-30°	1'	114'	q	--
168	" "	#5	--	090°	-35°	1'	90'	q,calc	--
169	" "	#6	--	090°	-35°	1'	110'	--	--
170	" "	1A-56	07/56	340°	-45°	--	200'	--	--
171	" "	2A-56	07/56	280°	-45°	--	202'	py	--
172	" "	3A-56	08/56	270°	-45°	--	163'	--	--
173	" "	1-56	09/56	020°	-45°	--	50'	--	--

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
174	Stewart, W.T.	2-56	09/56	020°	-45°	--	150'	--†	--
175	" "	3-56	09/56	020°	-45°	--	50'	--	--
176	" "	1A	06/57	200°	-45°	--	150'	--	--
177	" "	2A	06/57	200°	-45°	--	120'	--	--
178	" "	3A	06/57	020°	-45°	--	110'	--	--
179	" "	1D	07/57	200°	-45°	--	150'	--	--
180	" "	2D	07/57	200°	-50°	--	66.5'	--	--
181	" "	3D	07/57	210°	-45°	--	150'	--	--
182	" "	1D	07/58	216°	-45°	--	175'	--	--
183	" "	2D	07/58	216°	-45°	--	185'	--	--
184	" "	3D	07/58	216°	-45°	--	145'	--	--
185	" "	4D	07/59	216°	-45°	--	200'	--	--
186	" "	5D	07/59	216°	-45°	--	200'	--	--
187	" "	6D	06/60	210°	-45°	--	120'	--	--
188	" "	#1	--	0°	-45°	--	43'	--	--

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
189	Stewart, W.T.	#1	--	175°	-20°	--	125'	--	--
190	" "	#2	--	175°	-45°	--	120°	--	--
191	" "	#3	--	355°	-35°	-	100'	--	--
192	" "	#1	--	040°	-38	--	110'	--	--
193	" "	#2	--	040°	-38°	--	108'	--	--
194	" "	#3	--	038°	-32°	--	102'	--	--
195	" "	#4	--	038°	-32°	--	66'	--	--
196	" "	#5	--	038°	-31°	--	120'	--	--
197	" "	#6	--	038°	-31°	--	126'	--	--
198	" "	#7	--	038°	-31°	--	128'	--	--
199	Tellaurum Gold Mines Ltd.	S-3	1936	277°	-43°	8'	300.5'	--	--
200	" "	S-4	1936	277°	-69°	8'	301'	--	--
201	" "	S-5	1937	270°	-75°	16.5'	558.5'	calc	--
202	" "	S-6	1937	277°	-75°	--	313.5'	--	--
203	" "	S-7	1936	293°	-60°	5'	64.5'	--	--

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
204	Union Carbide Exploration Ltd.	K-1-65	05/65	--	-90°	74'	177'	mag	--
205	Walhart Gold Mines Ltd.	#1	05/46	355°	-45°	23'	98'	qcv,py	Au(0.025oz/t)
206	" "	#2	05/46	355°	-45°	22'	275'	qcv,py	Au(0.01oz/t)
207	" "	#3	05/46	355°	-45°	27'	172'	asp	Au(0.02oz/t)
208	" "	#4	05/46	355°	-45°	14'	170'	q,py	
209	" "	#5	05/46	175°	-45°	15'	148'	qcv,py	Au(0.75oz/t)
210	" "	#6	05/46	328°	-45°	5'	309'	qcv,py	Au
211	" "	#7	05/46	355°	-45°	6'	268'	qcv,py	
212	" "	#8	05/46	355°	-45°	39'	250'	qcv,py	Au(0.01oz/t)
213	" "	#9	05/46	355°	-45°	21'	158'	qcv,py	Au(0.025oz/t)
214	" "	#10	05/46	175°	-45°	41'	150'	q,py	Au(0.02oz/t)
215	White Guyatt Mining Company	S11	12/45	354°	-50°	10'	850'	qcv,py	Au(0.18oz/t)
216	" "	S12	01/46	357°	-45°	6'	819'	qcv,py	Au(0.12oz/t)
217	" "	S13	01/46	343°	-45°	18'	401.5'	qcv,py	Au(0.02oz/t)
218	" "	S14	01/46	050°	-45°	7'	865'	qcv,py	Au(0.05oz/t)

GDIF FORM NO. 3

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
219	White Guyatt Mining Company	S15	02/46	351°	-45°	7'	749'	qcv,py,calc	Au(0.11oz/t)
220	" "	S22	02/46	163°	-45°	4'	203'	qcv,py	Au(0.07oz/t)
221	" "	S23	02/46	180°	-45°	4'	760'	qcv,py	Au(0.04oz/t)
222	" "	S24	03/46	348°	-45°	6'	404'	qcv,py	Au(1.64oz/t)
223	" "	S25	03/46	174°	-45°	5'	405'	qcv,py	Au(0.04oz/t)
224	" "	S26	03/46	0°	-45°	5.8'	800'	qcv,py,calc	Au(0.01oz/t)
225	" "	S28	05/46	346°	-45°	10'	402'	qcv,py	Au(0.58oz/t)
226	" "	S29	05/46	002°	-45°	10'	440'	qcv,py	Au(0.1oz/t)
227	" "	S30	05/46	343°	-45°	8'	400'	qcv,py,gn,cp, calc	Au(0.73oz/t)
228	" "	S31	06/46	352°	-40°	5'	125'	qcv,py	Au(0.17oz/t)
229	" "	S32	06/46	345°	-55°	5'	552'	qcv,py,gn,calc	Au(0.06oz/t)
230	" "	S33	06/46	353°	-45°	12'	400'	qcv,py	Au(0.33oz/t)
231	" "	S34	06/46	355°	-45°	7'	426'	qcv,py,calc	Au(1.93oz/t)
232	" "	S35	06/46	353°	-45°	12'	424'	qcv,py	Au(0.1oz/t)
233	" "	S36	07/46	348°	-45°	10'	402'	qcv,py	Au(0.08oz/t)

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
234	White Guyatt Mining Company	S37	07/46	353°	-45°	10'	451'	qcv,py,cp,hem	Au(0.96oz/t)
235	" "	S37a	07/46	353°	-45°	--	356'	qcv,py	Au(0.05oz/t)
236	" "	S38	07/46	358°	-45°	9'	177'	qcv,py	Au(0.03oz/t)
237	" "	S39	07/46	356°	-45°	10'	175'	qcv,py	Au(0.04oz/t)
238	" "	S40	08/46	356°	-45°	8'	177'	qcv,py	Au(0.09oz/t)
239	" "	S41	08/46	356°	-45°	10'	175'	qcv,py	Au(0.1oz/t)
240	" "	S42	08/46	356°	-45°	43.2'	177'	qcv,py	Au(0.26oz/t)
241	" "	S43	08/46	354°	-45°	10'	176'	qcv,py	Au(0.07oz/t)
242	" "	S44	08/46	355°	-45°	7'	185'	qcv,py	Au(0.06oz/t)
243	" "	S45	08/46	352°	-45°	9'	176'	qcv,py	Au(0.08oz/t)
244	" "	S46	08/46	356°	-45°	8'	183'	qcv,py	Au(0.04oz/t)
245	" "	S47	08/46	357°	-45°	8'	183'	qcv,py	Au(0.3oz/t)
246	" "	S50	09/46	165°	-45°	7'	102'	qcv,py	Au(0.01oz/t)
247	" "	S51	09/46	157°	-45°	8'	103'	qcv,py,ch,fel	Au(0.01oz/t)
248	Zevely, P.B.	M-1	07/49	190°	-45°	8'	600'	qcv,py,ep,calc, po	--

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
249	Zevely, P.B.	M-2	08/49	010°	-45°	23.5'	597'	py,qcv	--
250	" "	M-3	08/49	180°	-45°	8'	1000'	qcv,py	--
251	" "	M-4	09/49	180°	-45°	5'	600'	qcv,py	--
252	" "	M-5	09/49	270°	-45°	7'	603'	qcv,py	--
253	Bruneau Mining Corp.	082-01-03	09/86	196°	-50°	1.7m	270m	qcv,talc	-
254	" "	082-01-01	09/86	16°	-45°	79.22m	297m	qcv,graphite	-
255	Canamax Resources Inc.	081-01-01	09/86	196°	-65°	1.65m	279m	qcv,asp,py,gf	-
256	" "	081-01-02	09/86	196°	-70°	42.8m	267m	qcv,mag	
257	" "	081-01-03	10/86	196°	-65°	6.2m	303m	aspy,qcv,py	-
258	" "	081-01-04	10/86	196°	-60°	2.75m	267m	qcv,py	-

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Questor Surveys Ltd.	Mark IV Input EM System		NE-SW	1/8 & 1/4 mi.
	Amax Minerals Exploration "Munro 1"	Geometrics G-803 Proton precession magnetometer			
1,2 3	Aerodat Ltd.	Aerodat/Perle EM system (915Hz & 3800Hz)	235'	N-S	125m
	Amax Minerals Exploration "Munro's 1,2, and 3"	Barringer AM-104 proton precession magnetometer			
25	Aeromagnetic Surveys Ltd.	P.S.C. Airborne Magnetometer	--	N-S	--
	Cons. Ranwick Uranium Mines Ltd.	P.S.C. Applied Research Mk.IIa Scintillation Counter (10,000 c.p.m. sensitivity)			
34	Canadian Aero Surveys Ltd.	Electromagnetic	--	N-S	--
	Kennco Explorations (Canada) Ltd.	Magnetic	--	N-S	--
59	H. Ferderber Geophysics	Electromagnetic Herz 1A (Seattle and Maryland)	250'	N-S	40'
	Perron, A.H. "Perron and Pollock Proj."	Magnetic GEM GSM 18-A			

GDIF FORM NO. 4

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
61	H. Ferderber Geophysics	Electromagnetic Herz 1A (Seattle)	250'	N-S	440'
	Glen Mullan	Magnetic GEM GSM 18-A (proton precession)			

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
20	Biogeochemical (sampling of second year growth stems)	Cu, Mo, Zn	Can. Johns-Manville Co. Ltd.	Resident Geologist's Assessment Files
35	Overburden Sampling -Mercury in Soil samples -Spring Sampling	Cu,Pb,Zn,Co,Ni,Ag,Hg	Lee Geo-Indicators	Resident Geologist's Assessment Files
34	Soil Sampling (Gravel & Sand)	Au,Hg	Kennco Exploration Canada Ltd.	Resident Geologist's Assessment Files

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Asbestos Corp.			
	The Northern Daily News	Apr 15, 1950	
Can Johns Manville			
	The Northern Miner	Aug 11, 1949	Nov 10, 1949
		Sep 18, 1952	Mar 30, 1967
Centre Hill			
	Canadian Mining Journal	Jun 1966	
	The Northern Miner	Mar 29, 1956	May 10, 1956
		Sep 06, 1956	Dec 06, 1956
		Dec 20, 1956	Jun 20, 1957
		Jul 04, 1957	Jun 04, 1959
		Apr 30, 1964	May 14, 1964
		Jun 25, 1964	Nov 26, 1964
		Jan 21, 1965	Feb 25, 1965
		Mar 03, 1965	Apr 15, 1965
		Aug 19, 1965	Sep 09, 1965
		Sep 16, 1965	Nov 11, 1965
		Nov 18, 1965	Mar 03, 1966
		Mar 24, 1966	Mar 31, 1966
Flagro			
	The Northern Miner	Jun 19, 1952	
Hedman			
	The Northern Miner	May 20, 1968	
Hedman Mines			
	Canadian Mining Journal	no date	Jun - 1966
		Jul - 1967	
	The Northern Miner	Oct 27, 1966	Apr 20, 1967
		May 25, 1967	Jun 22, 1967
		Jul 11, 1968	Oct 03, 1968
		Jan 09, 1969	Feb 10, 1985
		Aug 01, 1985	Feb 10, 1986
		Apr 28, 1986	May 26, 1986
		Jul 28, 1986	
Mid-East Development			
	The Northern Miner	Nov 23, 1978	
Munro			
	The Northern Miner	Jul 18, 1968	Aug 25, 1949
		Jun 08, 1950	Jun 15, 1950
		Jul 13, 1957	Feb 10, 1966
		Apr 14, 1966	

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Munro Copper

The Northern Miner

Jul 28, 1966	Sep 08, 1966
Oct 13, 1966	- - 1967
Jan 05, 1967	Feb 23, 1967
Jul 13, 1967	Jul 20, 1967
Aug 03, 1967	Sep 21, 1967
Oct 12, 1967	Nov 09, 1967
Dec 07, 1967	Jan 04, 1968
Jan 18, 1968	Jan 18, 1968
Feb 01, 1968	Mar 14, 1968
Apr 09, 1968	Apr 18, 1968
May 16, 1968	Jul 04, 1968
Oct 15, 1968	Oct 24, 1968
Dec 09, 1971	Jan 18, 1973
Apr 18, 1974	

Munro Croesus

The Northern Miner

Jan 08, 1936	Sep 04, 1915
Sep 11, 1915	Sep 14, 1915
Oct 30, 1915	Oct 30, 1915
Nov 13, 1915	Nov 17, 1915
Dec 18, 1915	Dec 25, 1915
Jan 08, 1916	Jan 08, 1916
Feb 19, 1916	Mar 04, 1916
Mar 11, 1916	Apr 15, 1916
Apr 22, 1916	May 20, 1916
May 20, 1916	Jun 17, 1916
Jul 01, 1916	Jul 08, 1916
Jul 15, 1916	Aug 05, 1916
Aug 05, 1916	Aug 12, 1916
Sep 16, 1916	Sep 23, 1916
Sep 23, 1916	Sep 30, 1916
Oct 07, 1916	Oct 07, 1916
Nov 04, 1916	Nov 25, 1916
Nov 25, 1916	Nov 25, 1916
Dec 23, 1916	Dec 23, 1916
Feb 03, 1917	Feb 17, 1917
Mar 03, 1917	Mar 17, 1917
Mar 31, 1917	Mar 31, 1917
Apr 07, 1917	Apr 14, 1917
Apr 28, 1917	May 05, 1917
May 19, 1917	Jun 02, 1917
Jun 09, 1917	Jun 16, 1917
Jun 16, 1917	Jun 23, 1917
Jun 23, 1917	Jun 23, 1917
Jun 30, 1917	Jul 07, 1917
Jul 14, 1917	Aug 04, 1917
Aug 04, 1917	Aug 11, 1917

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Munro Croesus			
	The Northern Miner Cont'd.	Aug 18, 1917	Aug 25, 1917
		Sep 22, 1917	Dec 01, 1917
		Dec 08, 1917	Dec 22, 1917
		Dec 22, 1917	Jan 12, 1918
		Jul 27, 1918	Oct 19, 1918
		Dec 21, 1918	
Reoplata			
	The Northern Miner	no date	May 07, 1953
		May 21, 1953	Apr 01, 1954
	Timmins Press	Sep 26, 1951	
Tellaurum			
	Unknown	Jan 08, 1936	
White Guyatt			
	The Northern Miner	Feb 16, 1939	Nov 16, 1967
Wood Croesus			
	The Northern Miner	Sep - 1979	Apr 13, 1980

ODM GENERAL INDEX SEARCH

Words searched:
American Eagle Gold Mines
Beatty - Munro Gold area
Croesus Gold Mines Ltd.
Detroit New Ontario Gold Mine
Dobie - Lyson claim
Munro Township

Index Volume	Listing:	Report Volume	Part	Page
1	Munro Tp., Tim.			
	Farm land	24	1	171
	Gold	28	1	52
		19	1	12,53
		20	1	54
		22	1	54
		23	1	49
	high grade	25	1	44
	mining	19	1	119
		20	1	10,105
		21	1	152
		24	1	180
		25	1	9,81
	see also American Eagle Gold Mine Beatty - Munro Gold Area Croesus Gold Mines Ltd. Detroit Syndicate Gold Mine (Detroit New Ontario Gold Mine)			
	Map of, with	24	1	
	Rocks	24	1	172-79
		24	3	18
	Topography	24	1	172
	American Eagle Gold Mine, Munro Tp.			
	Capital and date of charter	22	1	53
	Work at	20	1	105
		21	1	152
		24	1	181
	Beatty - Munro Gold Area			
	Report by Hopkins	24	1	171-84
	Croesus Gold Mine, Munro Tp., formerly Dobie - Leyson claims			
	Producing, 1915	25	1	7,9
	Rich ore from	25	1	81
	Detroit New Ontario Gold Mine, Munro Tp.			
	Capital and date of charter	21	1	46
	Photo	20	1	106
	Producing	21	1	9
	Rocks	20	1	105
	Work at	24	1	181

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Munro Tp., Coch.			
	Asbestos	28	2	66
	Forest fires	28	2	6
		29	1	219
	Gold alluvial	30	2	8
	lode	28	2	1,53
	discovery	30	2	4
	Gold mining (1916)	26		92,93
	(1917)	27	1	99,100
	idle (1918)	28	1	115
	(1919)	29	1	77
	depth of mines (1920)	30	2	12
	notes	30	2	28
	Lakes, character			
	Nickel - copper ores	28	1	25
		28	2	64
	Report by Knight	29	1	219-23
	values	N.C.	A	18,23
	Rocks see also map 28b with	28	2	
	basalt and lava	28	2	5,31
	compared with Abitibi L. area	27	1	203
	diabase	28	2	28
	iron formation, notes	1.0		210
	porphyry	28	2	35,44
	sedimentary	23	2	8,23
	serpentine	N.C.	R	24
	Timiskaming series	28	2	12
	Munro Tp., Coch.			
	Munro Croesus Gold Mine			
	Poter Doal Mines			
3	Munro Tp., Coch.			
	Base metals, report on, by T.L. Gledhill	37	3	35-61
	copper mining See Potter Doal Mines			

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
	Gold discovery	45	6	3
	mining, Buff - Munro claims	91	1	37
	Wright - Hargreaves claims	49	1	219
	see also Munro Croesus gold mines			
	Photo	37	3	36
	Munro Croesus Gold Mine, Munro Tp.			
	Leased to Tellaurum Gold Mines	45	1	142
	Mill, capacity	44	1	8
		49	1	25
	Operations (1934)	44	1	128
	(1935)	45	1	141
	Incorporated	41	1	43
	Plant moved to Jones Porter gold mine	39	1	106
	Production (1931)	41	1	9
	(1932)	42	1	9
	(1934)	44	1	10
	(1935)	45	1	9
	(1936)	49	1	16
	statistics	49	1	16
	Potter Doal Mines, Munro Tp.			
	Gold from ores	40	1	7
	Operations	36	1	89
		37	1	84
	Report and plan	37	1	35-41
4	Munro Tp., Coch.			
	Asbestos mining	59	2	1
	Gold claims	56	7	28
	mining	50	1	38,142
		51	1	212
	see also Munro Croesus gold mines			
	Rocks	56	7	5-8,11 12
	rhyolite, analysis	56	7	13
	structure	56	7	17,16
	Munro Croesus Gold Mine, Munro Township			
	Mill capacity	52	1	23
	Production (1948)	58	1	10
	statistics	59	1	Table 3

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
	Canadian Johns - Manville Co. Ltd.			
	Munro - Croesus Gold Mine			
	Munro Asbestos Mine			
	Munro Tp.			
5	Munro Tp., Coch.			
	Asbestos mining see Canadian Johns - Manville Co.			
	Geology, report on, with map by J. Satterly	60	8	
	Gold mining	61	2	69
	see also Munro - Croesus gold mine			
	Canadian Johns - Manville Co. Ltd.			
	see also Canadian Johns - Manville Ontario			
	Claims, Munro tp., report on	60	8	36-41
	Munro Croesus Gold Mine, Munro Tp.			
	Plan, geological with	60	8	
	Production statistics	64	1	12
	Report on	60	8	48-51
6	Munro Tp., Coch.			
	Asbestos mining see Canadian Johns - Manville Co.			
	Copper prospect	67	2	3
	Munro Asbestos Mine, Munro Tp.			
	Fire at	67	1	52
	Operations. see Canadian Johns - Manville Co.			
	Canadian Johns - Manville Co. Ltd.			
	Capital, officers, operations			
	(1955)	65	2	1,2
	(1956)	66	2	1,2
	(1957)	67	2	1-3
	(1958)	68	2	1,2
	(1959)	69	2	1,2
	Fire at mine	67	1	52
	Hedman Mines			
	Munro Asbestos Mine			
	Munro Tp.			

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
7	Munro Tp., Coch.			
	Asbestos			
	Exploration for	IMR1		15
	Mining. see Hedman Mines			
	Munro asbestos mine			
	Occurrences	IMR1		8
	Hedman Mines Ltd.			
	Capital, officers, opeations			
	(1960)	v.70		138
	(1961)	v.71		145
	(1962)	V.72		154
	(1963)	v.73		159
	Munro Asbestos Mine, Munro Tp.			
	Operations			
	(1960)	v.70		137-38
	(1961)	v.71		144
	(1962)	v.72		153
	(1963)	v.73		158-59
	Report and photo	IMR1		4,5, 10-12
8	Munro Tp., Coch.			
	Asbestos	ARO74		151-52
		IMR36		19,24, 33-41
	Copper/Nickel	ARO74		85
		ARO75		84-85
		ARO76		125-26
		ARO77		116-17
		ARO78		93
		ARO79		72
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NOTES AND ADDENDA

Drill holes available at the Kirkland Lake Drill Core Library

Company	MNDM Hole Number	Company Number	Year	Total Depth (m)	Core Stored (m)	Assays Available
Amax Minerals Exploration	KL0031	839-13-1	1981	141.0	134.0	Rb,Sr,Y,Zr
	KL0032	897-07-13	1981	39.0	37.0	Rb,Sr,Y,Zr
	KL0033	897-07-14	1981	40.0	39.2	Rb,Sr,Y,Zr
	KL0034	897-07-15	1981	42.0	41.2	Rb,Sr,Y,Zr
	KL0035	897-07-16	1981	39.0	34.7	
	KL0462	839-10-10	1981	246.0	245.8	Au,Ag,Cu,Zn
	KL0632	839-10-4	1981	120.0	118.5	
	KL0633	839-10-5	1981	122.2	119.9	Au,Ag,Cu, Zn,As+12
	KL0635	839-10-7	1981	111.5	107.4	Au,Ag,Cu,Zn
	KL0636	839-10-8	1981	108.0	104.9	Au,Ag,Cu,Zn
	KL0637	839-10-9	1981	219.0	218.0	Au,Ag,Cu,Zn
	KL0638	839-10-11	1981	261.5	261.0	
	KL0655	839-10-6	1981	101.8	95.8	Au,Ag,Cu,Zn
	KL0718	839-10-3	1981	85.4	71.9	Au,Ag,Cu,Zn
	KL0781	839-10-2	1981	79.8	63.4	Au,Ag,Cu,Zn
	KL0782	839-10-1	1981	82.0	67.5	Au,Ag,Cu,Zn
	KL1003	839-15-1	1980	89.5	33.5	
Canadian Johns-Manville	KL1425	F-2	1950	164.6	0.6	
	KL1426	F-1	1949	210.3	1.0	
Mangan-Dyer	KL1436	DDH-1	1949	118.3	0.4	
	KL1437	DDH-2	1949	140.2	0.4	
	KL1438	L-1	1953	46.6	0.3	
	KL1439	L-3	1953	32.9	0.1	
	KL1440	L-5	1953	38.1	0.1	
	KL1445	DDB-4	1951	33.2	0.2	
	KL1446	DDH-C-1	1951	34.4	0.2	
	KL1447	DDH-C-2	1951	43.7	0.1	
	KL1448	DDH-C-3	1951	46.3	0.1	
Ontario Geol. Survey	KL1521	85-08	1985	75.1	29.7	
	KL1523	85-10	1985	42.7	34.7	
Reolpata Mines Limited	KL1454	DDH-1	1950	90.5	0.3	
	KL1455	DDH-3	1950	106.7	0.3	
Zevely, P.B.	KL1386	DDH-1	1949	182.9	0.5	
	KL1387	DDH-2	1949	182.0	0.1	
	KL1388	DDH-3	1949	304.8	0.4	
	KL1389	DDH-4	1949	182.9	0.1	
	KL1390	DDH-5	1949	183.8	0.3	

GDII FORM NO.8

NOTES AND ADDENDA

Aerial Photography
on file in Kirkland Lake
Resident Geologist's Office

YEAR	FLIGHT LINE	ROLL	PHOTO
1978	4823	04	231-235
	4824	05	38-44
	4825	05	104-110
1971	4823	9	9-17
	4824	25	57-62
	4825	25	26-32
	4826	34	11-13

Also, Township coverage from 1930 to 1946

GSC Index to Publication

Words searched:
Munro Township

Index Volume	Listing: —	Report Volume	Part	Page
1910-1926	Munro Tp., Coch. Gold	M74		108
1927-1950	Munro Tp., Coch. Arsenic deposit	Econ. Geol.4		117-18
	Gold deposit	M192		28,30-32
		Econ. Geol.10		15,23,25
		Econ. Geol.15		60,65
1951-1959	Munro Tp. Coch.	Econ. Geol.7	3	258

GDIF FORM NO. 8

WARDEN

BEATTY

McCOOL

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 361

(Map 1 of 3)

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 361

(Map 1 of 3)

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

BEATTY

McCOOL

GUIBORD

80°16'00"

48°33'00"

80°00'00"

Barton

Centre

Comp L.

North Kettle L.

Blueberry Lake

Munro Lake

Fade L.

Kettle L.

Three Mile Lake

Croesus Lake

Pike

Little

ASBESTOS PLANT

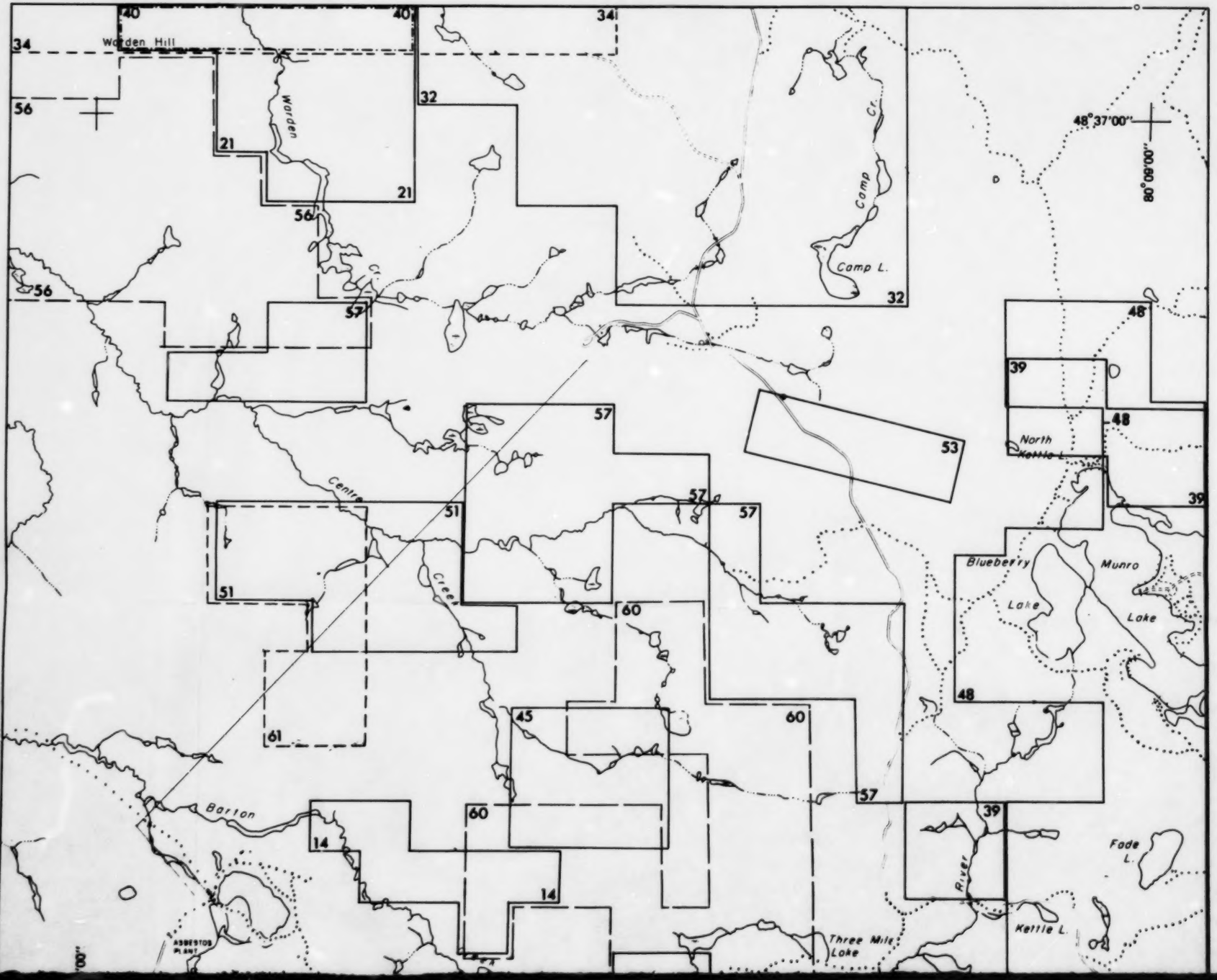
101

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

WARDEN



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Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 361

(Map 2 of 3)

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY FOLIO 361

(Map 2 of 3)

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

BEATTY

McCOOL

GUIBORD

Camp L.

North Kettle L.

Blueberry Lake

Munro Lake

Barton

Three Mile Lake

Kettle L.

Fade L.

River

Creek

Centre Creek

Little Pine

Croesus Lake

ASBESTOS PLANT

80°16'00"

48°33'00"

101

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly (VL - Vertical loop; HL -Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit property number
- Rock quarry

BEATTY

WARDEN

48°37'00"

80°09'00"

80°16'00"

Warden Hill

Camp L.

North Kettle L.

Blueberry Lake

Munro Lake

Fode L.

Kettle L.

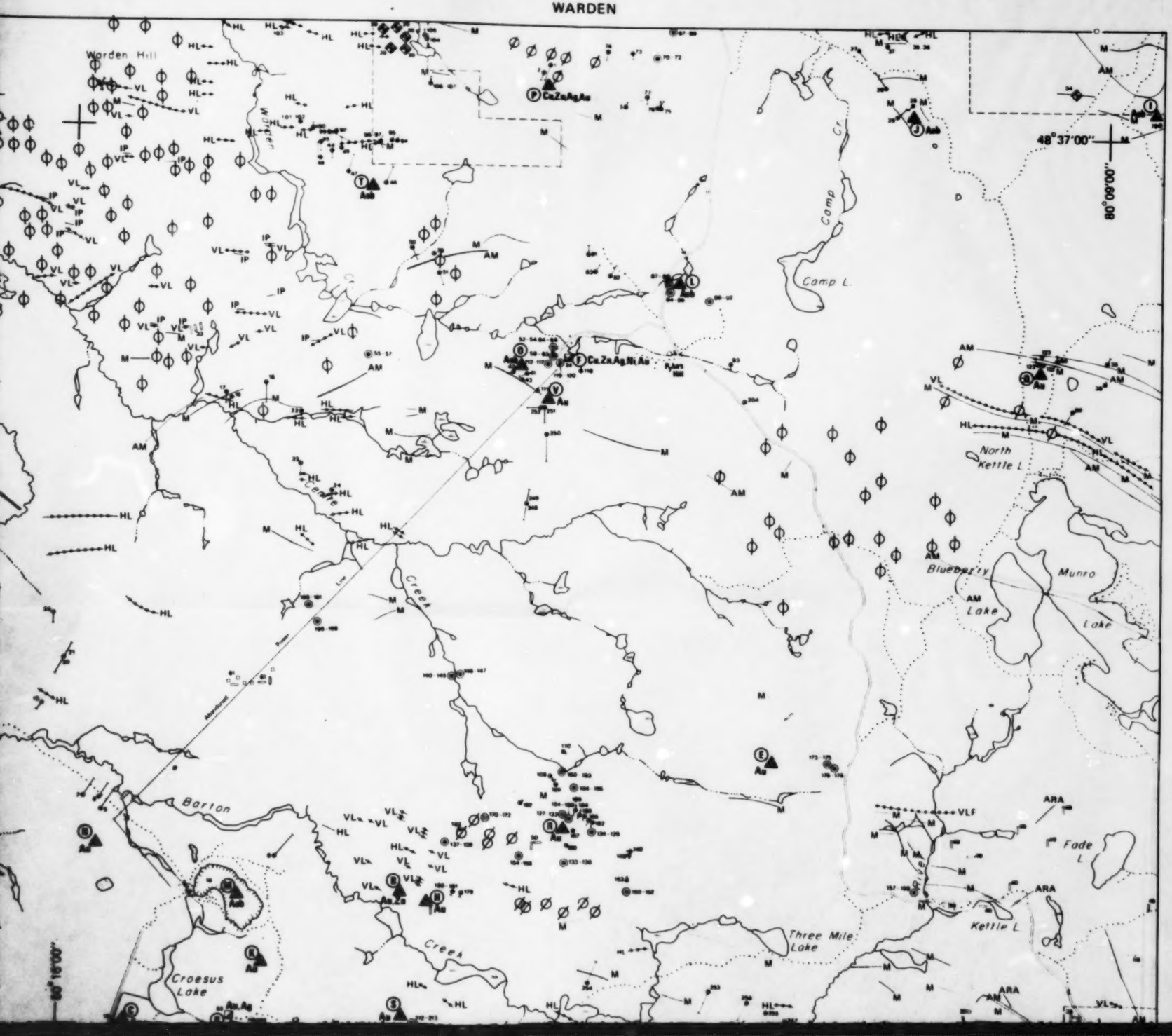
Three Mile Lake

Croesus Lake

Barton

Creek

WARDEN



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 361

(Map 3 of 3)

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, reference letter, and property number
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number and horizontal projection to surface
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL -Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- 5 — Trenching, pit property number
- Adit
- 2 — Open pit property number
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

BEATTY

GUIBORD

80°16'00"

48°33'00"

Barron

Croesus Lake

Creek

Comp L.

North Kettle L

Blueberry Lake

Munro Lake

Fade L.

Kettle L

Three Mile Lake

Pipe

Little

GEOLOGICAL DATA INVENTORY FOLIO 361

(Map 3 of 3)

MUNRO TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

McCOOL

GUIBORD

80°16'00"

48°33'00"

Camp L.

North Kettle L.

Blueberry Lake

Munro Lake

Barton Creek

Croesus Lake

Three Mile Lake

Kettle L.

Fade L.

Pike Creek

Little Pike

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, reference letter, and property number
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number and horizontal projection to surface
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number